NCER Funded Science to Achieve Results (STAR) Research Projects:

Region 4 - University of North Carolina Grant List



Tabular Query Results of NCER Program and Solicitation Information

34 Abstracts are listed

Number	Identifier	Abstract	Institution	Principal Investigator	Grant Representative	Grant Amount	Proposed Start Date
1	R82-0184	Engineering of Oxidation and Granular Activated Carbon Treatment Processes to Meet New Objectives in Drinking Water Treatment	University of North Carolina	Francis A. Di Giano	none	\$208,432	2 years
2	R824789	Mechanistic Studies of Isoprene and Aromatic Hydrocarbons	University of North Carolina at Chapel Hill	Dr. Harvey E. Jeffries	Deran Pashayan	\$450,000	October 1, 1995 - September 30, 1998
3	R828176	Predicting Day and Nighttime Aerosol Yields from Biogenic Hydrocarbons with a GasBParticle Phase Kinetic Model	Department of Environmental Sciences and Engineering, University of North Carolina, Chapel Hill, NC	Harvey E. Jeffries	Paul Shapiro	\$225,000	July 17, 2000 to July 16, 2002
4	U914989	Synthesis of Novel Perfluoropolyethers for Utilization in Nontoxic Fouling Release Coatings	University of North Carolina at Chapel Hill	William C. Bunyard	none	none	none
5	U91-5355	The rates of ligand-assisted dissolution of metal oxide solids	University of North Carolina at Chapel Hill	Owen W. Duckworth	Georgette Boddie	33,914	8/18/98
6	R826270	Mechanisms of Particulate-Induced Mediator Expression in Human Airway Epithelial Cells	University of North Carolina at Chapel Hill	William Reed, Lee M. Graves	Deran Pashayan	\$374,170	December 15, 1997 - December 14, 2000
7	U915355	Ligand Assisted Dissolution of Hematite	University of North Carolina at Chapel Hill	Owen Duckworth	none	none	none
8	R825957	Metabolic Fate of Halogenated Disinfection By-Products In Vivo, and Relation to Biological Activity	University of North Carolina at Chapel Hill	Louise M. Ball	William Stelz	\$460,848	January 23, 1998 - January 22, 2001
9	R825243	Anthropogenic Pollutant Effects on Aquatic Ecosystems Impacts of Atmospheric Nitrogen Deposition on Phytoplankton	University of North Carolina at Chapel Hill; Southern Regional Research Center, US Department of Agriculture, Agricultural	Hans Paerl and James L. Pinckney, David F. Millie, Gary J. Kirkpatrick, Oscar M.E. Schofield,	Deran Pashayan	\$382,789	October 1, 1996 - September 30, 1999

		Dynamics and Eutrophication	Research Service; Mote Marine Laboratory; Rutgers University				
10	U91-5361	Studies of Aerosol Composition, Partitioning and Heterogeneous Chemistry using Infrared Spectroscopy	University of North Carolina at Chapel Hill	Cindy DeForest Hauser	Georgette Boddie	22,978	8/16/98
11	U915321	Passive Aerosol Sampler to Estimate Long-Term Average Concentrations and Size Distributions	University of North Carolina, Chapel Hill	Jeff Wagner	none	none	none
12	R825346	Heme Adducts from NitroPAH Characterization and Mechanisms of Formation	University of North Carolina at Chapel Hill	Louise M. Ball	Clyde Bishop	\$390,896	November 18, 1996 - September 17, 1999
13	U915410	Disinfection Efficacy Studies with Electrochemically Generated Mixed Oxidants in the Development of Ct Values for Drinking Water Pathogens	University of North Carolina, Chapel Hill	Sacoby Wilson	none	none	none
14	R825286	Effectiveness of Regulatory Incentives for Sediment Pollution Prevention Evaluation Through Policy Analysis and Biomonitoring	University of North Carolina	Seth Reice and Richard N. Andrews	Barbara Levinson	\$556,981	October 15, 1996 - October 14, 1999
15	R826115	Nonionic Surfactants for Dispersion Polymerizations in Carbon Dioxide	University of North Carolina at Chapel Hill	Joseph M. DeSimone	Barbara Karn	\$370,000	November 1, 1997 - October 31, 2000
16	U915158	Microtransport and Partitioning of Semi-Volatile Organic Compounds in Combustion Aerosols	University of North Carolina	Michael R. Strommen	none	none	none
17	R826136	Arsenicals, Glutathione Reductase and Cellular Redox Status	University of North Carolina at Chapel Hill; University of British Columbia, Vancouver	Miroslav Styblo, William R. Cullen, Melinda A. Beck	Sheila Rosenthal	\$322,936	September 1, 1997 - August 31, 2000
18	R826837	Detection and Occurrence of Human Caliciviruses in Drinking Water	University of North Carolina at Chapel Hill	Mark D. Sobsey	William Stelz	\$296,980	January 1, 1999 - December 31, 2000
19	R826771	Partitioning of Semivolatile Organic Compounds in Organic and Inorganic Aerosols: A Unified Approach	University of North Carolina (Chapel Hill)	Richard Kamens, Myoseon Jang, Bharadwaj Chandramouli, and Michael Strommen	Deran Pashayan	\$562,536	October 1, 1998 - September 30, 2001
20	R826767	Aerosol Partitioning and Heterogeneous Chemistry	The University of North Carolina at Chapel Hill	Roger E. Miller and Cindy DeForest Hauser	Deran Pashayan	\$338,749	October 1, 1998 - September 30, 2001
21	R825952	Development of a New, Simple, Innovative Procedure	University of North Carolina at Chapel Hill	Howard S. Weinberg and Philip C. Singer	William Stelz	\$198,460	September 1, 1997 -

		for the Analysis of Bromate and Other Oxy-Halides at Sub-ppb Levels in Drinking Water					August 31, 1999
22	R825159	Development and Application of Spectroscopic Probes for Measurement of Microbial Activity in Aquatic Ecosystems	University of North Carolina; University of Maryland-College Park	Carol Arnosti and Neil V. Blough	none	\$405,811	November 1, 1996 - October 31, 1999
23	R826833	Formation and Stability of Ozonation By-Products in Drinking Water	University of North Carolina at Chapel Hill	Howard S. Weinberg	William Stelz	\$441,261	November 1, 1998 - October 31, 2001
24	R82-8011	Identification and Control of Non-Point Sources of Microbial Pollution in a Coastal Watershed	University of California, Irvine, CA 92697 University of California, Irvine, CA 92697 University of California, Berkeley, CA 94720 University of California, Irvine, CA 92697 University of North Carolina, Chapel Hill, NC 27599	Brett Sanders (PI) - Asst. Prof., Dept. of Civil and Environmental Engineering. Stanley Grant (co-PI) - Assoc. Prof., Dept. of Civil and Environmental Engineering. Alex Horne (co-PI) - Prof., Dept. of Civil and Environmental Engineering. Robin Keller (co-	Barbara Levinson	\$895,234	August 1, 2000 - July 31, 2003
25	R824747	Development of a Model Pollution Prevention Diffusion Partnership for Small Business	University of North Carolina-Charlotte	Randall D. Forsythe and Alisa B. Wickliff	Deborah Hanlon	\$180,000	October 1, 1995 - September 30, 1997
26	R826247	Transformations of Selected Organic Urban HAPs: Mechanistic and Modeling Studies to Identify Cancer and Non-Cancer Human Health Risk	University of North Carolina at Chapel Hill	Harvey E. Jeffries	Deran Pashayan	\$540,000	December 8, 1997 - December 7, 2000
27	R824782	Detecting Fecal Contamination and Its Sources in Water and Watersheds	University of North Carolina-Chapel Hill	Mark D. Sobsey	Barbara Levinson	\$400,000	October 1, 1995 - October 31, 1998
28	U915197-01-1	Mixed Motivations: Local Commitment to Land Use Plan Development and Implementation in Coastal North Carolina	University of North Carolina at Chapel Hill	Richard K. Norton	none	none	none
29	U915361	Characterization of Anthropogenic Aerosols: Time-Resolved Infrared Spectroscopy	University of North Carolina at Chapel Hill	Cindy DeForest Hauser	none	none	none
30	R826139	Studies of the Infectivity of Norwalk and Norwalk-like Viruses	University of North Carolina at Chapel Hill	Christine L. Moe, William Heizer, Paul Stewart, Jeffrey A. Frelinger	Sheila Rosenthal	\$587,842	January 16, 1998 - January 15, 2001
31	R826938	CISNet for the Neuse River Estuary, NC: A Program for	University of North Carolina at Chapel Hill	Richard A. Luettich, Jr., Hans Paerl, Jay	Barbara Levinson	\$555,300	October 1, 1998 -

		Evaluating Nitrogen Driven Eutrophication Associated with Changing Land Use in a Coastal Watershed		Pinckney			September 30, 2001
32	R827084	The Development of a DNA Based Specific Assay for Pfiesteria piscicida in Water and Sediments	University of Maryland Biotechnology Institutes, Baltimore1 and University of North Carolina, Greensboro2	David Oldach1 and Parke Rublee2	Sheila Rosenthal	\$709,537	October 8, 1998 - October 7, 2001
33	R827994	Cardiovascular Responses to Particulate Air Pollution	Pennsylvania State University; University of North Carolina at Chapel Hill	Duanping Liao, Vernon M. Chinchilli; Gerardo Heiss, Carl Shy	Deran Pashayan	\$607,630	January 2000 - January 2003
34	none	Estimation of Indoor Particulate Matter Emissions in Large Office Buildings: A Preliminary Evaluation of EPAÆs BASE Study Data	none	Adam C. Johnston	none	none	none

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